Residential Gas Water Heaters

ProMax® PLUS HIGH EFFICIENCY

SERIES 300/301

FEATURES

INTELLIGENT CONTROL LOGIC
The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance.

SELF-POWERED ELECTRONIC GAS VALVE
Uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source.

DIAGNOSTICS
The electronic gas control incorporates an LED status indicator that monitors system operation & service diagnostics.

DYNACLEAN™ DIFFUSER DIP TUBE
Helps reduce lime and sediment buildup, maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

"ENVIRONMENTALLY-FRIENDLY" 2 INCH NON-CFC FOAM INSULATION IMPROVES EFFICIENCY

COREGARD™ ANODE ROD
An A. O. Smith exclusive. Aluminum anode has stainless steel core, protects tank against corrosion.

PUSH-BUTTON PIEZO IGNITOR
Makes lighting pilot fast and easy with one-hand push-button spark ignition.

DURABLE, TAMPER-RESISTANT BRASS DRAIN VALVE

BLUE DIAMOND® GLASS COATING
Provides superior corrosion resistance to industry-standard glass lining.

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE
Top-mounted T&P relief valve available as option on all models.

DESIGN-CERTIFIED BY CSA INTERNATIONAL
According to ANSI Z21.10.1 - CSA 4.1 Standards governing storage-type water heaters.

FLAMMABLE VAPOUR IGNITION RESISTANT COMPLIANT DESIGN
See other side.

CODES AND STANDARDS
These models meet the requirements of the BC Energy Efficiency Act.

8-YEAR LIMITED TANK and 6-YEAR PARTS WARRANTY
For complete information, consult written warranty or A. O. Smith Water Products Company.

CERTIFIED ™

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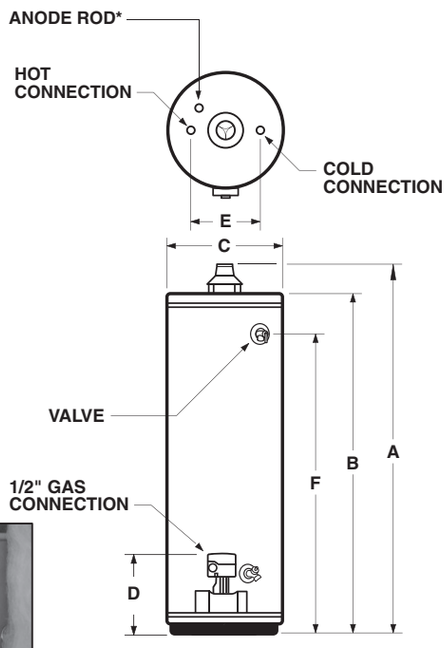
MODEL NUMBER	SERIES	FIRST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL†	RECOVERY 90°F RISE GALLONS PER HOUR	FOAM THICKNESS (INCHES)	DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROXIMATE SHIPPING WEIGHT (LBS)
								A	B	C	D	E	F		
TALL MODELS															
GVR-40	300/301	70	.62	40	40,000	41	2	61-3/4	58-1/4	20	13	8	51-3/4	3 or 4	150
GVR-50	300/301	88	.62	50	40,000	41	2	61	57-1/4	22	13	8	50-1/4	3 or 4	165
SHORT MODEL															
GVRL-40	300/301	67	.62	40	40,000	41	2	51-1/2	47-3/4	22	13	8	41	3 or 4	147

Recovery capacity based on actual performance tests.
Water Connections – 3/4" on all models.
† Propane Gas – 37,000 BTU input for 50 gallon models, 36,000 BTU for 40 gallon models and 32,000 BTU input for 30 gallon models.
Heat Trap Nipples are factory-installed on all models.



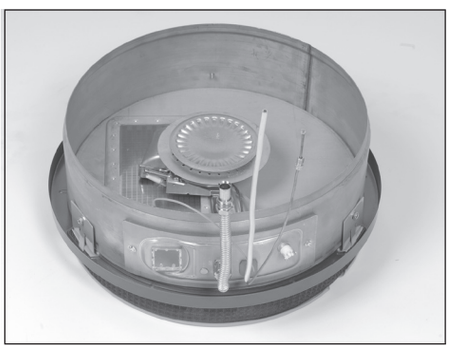
*Location for optional top-mounted T&P Valve if ordered from factory.

Maximum Hydrostatic Working Pressure: 150 PSI.

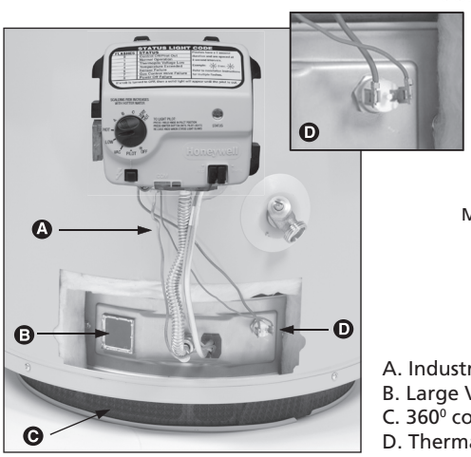
Flammable Vapour Ignition Resistant (FVIR) Water Heaters

A. O. Smith FVIR design meets or exceeds the American National Standards Institute standards (ANSI Z21.10.1 - CSA 4.1) that deal with the accidental or unintended ignition of flammable vapors, such as those emitted by gasoline.

Feature a sealed combustion chamber with air intake filter and a flame arrestor built into the water heater base. In addition, a thermal cutoff (TCO) device, is designed to shut off gas flow to the burner and pilot if poor combustion is detected.



If flammable vapors accidentally enter the combustion chamber, the arrestor is designed so flames burn off the top surface and can not escape down through the arrestor.



A. Industry standard thermopile
B. Large View Port for easy burner inspection
C. 360⁰ combustion air filter
D. Thermal Cutoff (TCO) with manual reset